INTERNATIONAL SEARCH REPORT

International application No. PCT/ /00994

Rec'd PCT/PTO 14 DEC 2004

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: F16L 55/163 // F16L 55/1645
According to International Patent Classification (IPC) or to both national classification and IPC

Minimum documentation searched (classification system followed by classification symbols)

10/517932

IPC7: F16L, B05B

B. FIELDS SEARCHED

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Υ	NL 8204847 A (BOLIDT MAATSCHAPPIJ TOT EXPLOITATIE VAN KUNSTSTOFFEN EN BOUWWERKEN B V), 2 July 1984 (02.07.84), page 3, line 22 - page 4, line 17	1-18
	 .	·
Y	US 5186215 A (GILLELAND), 16 February 1993 (16.02.93), column 6, line 8 ~ line 52; column 4, line 36 ~ line 39; column 1, line 14 ~ line 18, abstract	1-18
		
Υ	SE 458950 B (KOHICHIRO DOI ET AL), 22 May 1989 (22.05.89), abstract	11
	, 	

X	Further documents are listed in the continuation of Box	C.	X See patent family annex.			
"A".		~T~	later document published after the international filing date or priority date and not in conflict with the application but cloud to understand			
″E″	to be of particular relevance carlier application or patent but published on or after the international filing date	"X"	the principle or theory underlying the invention document of particular relevance the claimed invention cannot be			
L	L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)		considered novel or cannot be considered to involve an inventive step when the document is taken alone			
~O*			document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combinat being obvious to a person skilled in the art			
**p*	document published prior to the international filing date but later than the priority date claimed	*	document member of the same patent family			
Dat	e of the actual completion of the international search	Date	of mailing of the international search report 17 2 -08- 2003			
11	August 2003					
Nan	ne and mailing address of the ISA/	Autho	rized officer			
Box	edish Patent Office < 5055, S-102 42 STOCKHOLM	Tom	ny Blomberg/EK			

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/ 3/00994

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C (Continu	lation). DOCUMENTS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where appropriate, of the rele	vant passages	Relevant to claim No		
Y	SE 343357 B (L E E JANSSON), 6 March 1972 (06.03.72), claims 1-2		12		
Y	SE 504663 C2 (STEN EDSTROM), 24 March 1997 (24.03.97), page 4, last paragraph		13-14		
					
A	US 3960644 A (MCFADDEN), 1 June 1976 (01.06.76 abstract	5),	1-18		
					
					
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INTERNATIONAL SEARCH REPORT Information on the family members

International application No. 26/07/03 PCT/SE 00994

	mt document n search report		Publication date		itent family member(s)		Publicati on date
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				WO	970172		16/01/97
JS JS	3960644	Α	01/06/76	NONE			